



VIA CoreFusion™ Platform

Mark/Luke

February, 2005

CoreFusion™ Integration Directions

Device Level Innovation

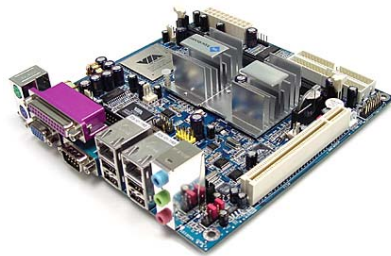


Embedded and Connectivity Devices

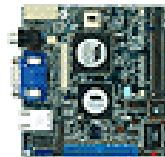


Flat Panel Lifestyle Products

Board Level Innovation



Mini-ITX Form Factor



Nano-ITX Form Factor

Silicon Level Innovation



VIA Eden Platform

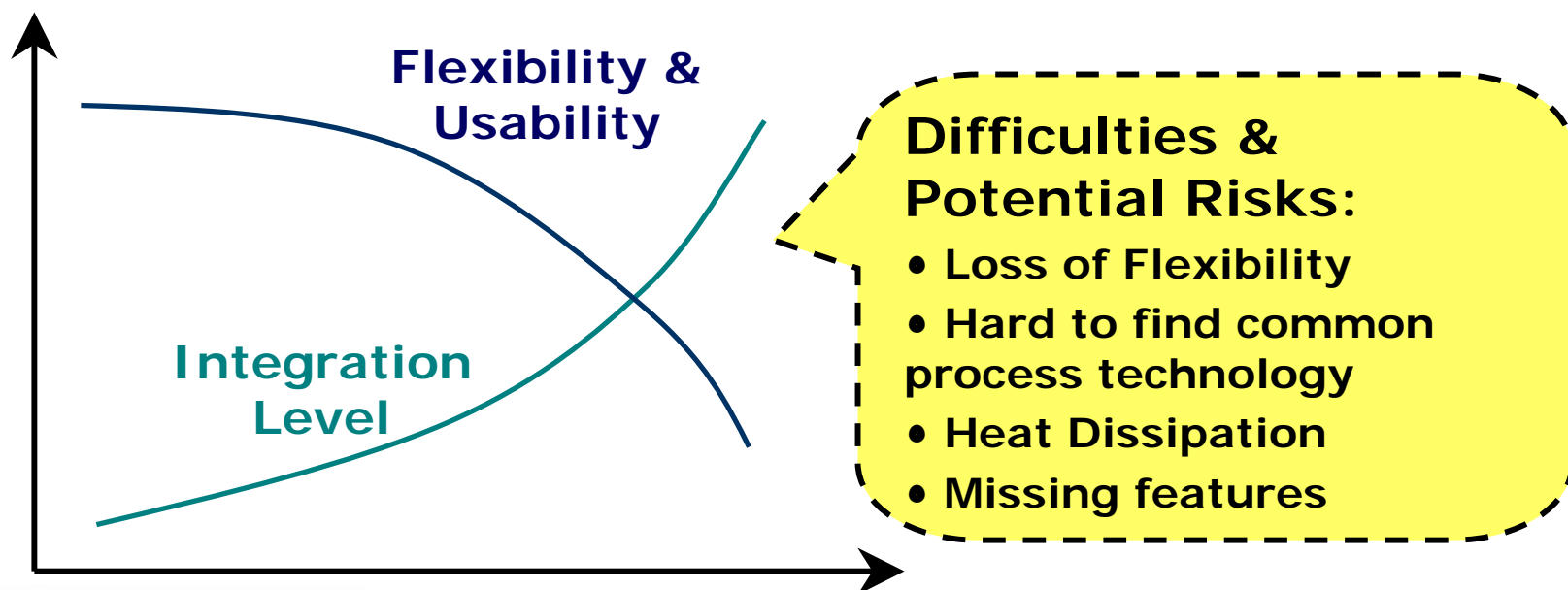
“Mark”, “Luke”
CoreFusion™
Processing Platform

Pervasive x86



Why VIA

- VIA products cover a wide range of process technologies
- VIA has the richest platform portfolio for compensate the possible loss of flexibility
- VIA is the leader in low power x86 and miniaturization
- VIA CoreFusion products has the maximum integration level as well as extendibility



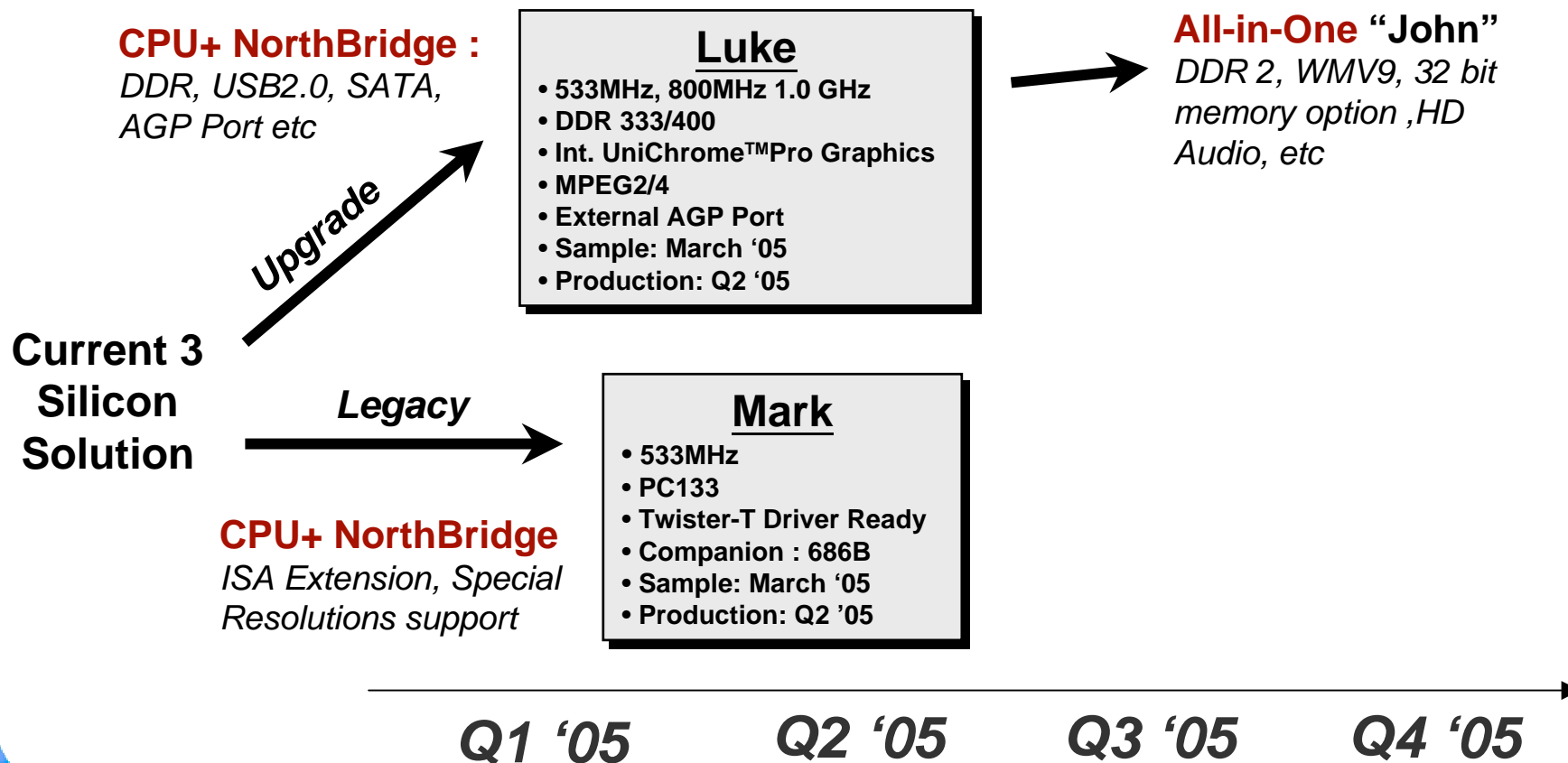
CoreFusion™ Processing Platform Benefits

- **Longevity**
 - Extends the current technology and software up to 2010
- **Space Saving**
 - Utilizes approx 15% less board space than competitive solutions
- **Low Power**
 - Highly efficient heat dissipation for small enclosures
- **Cost Effective**
 - Minimizes system development costs
 - Speeds up time to market
- **Multiple System Design Applications**
 - Flat panel lifestyle

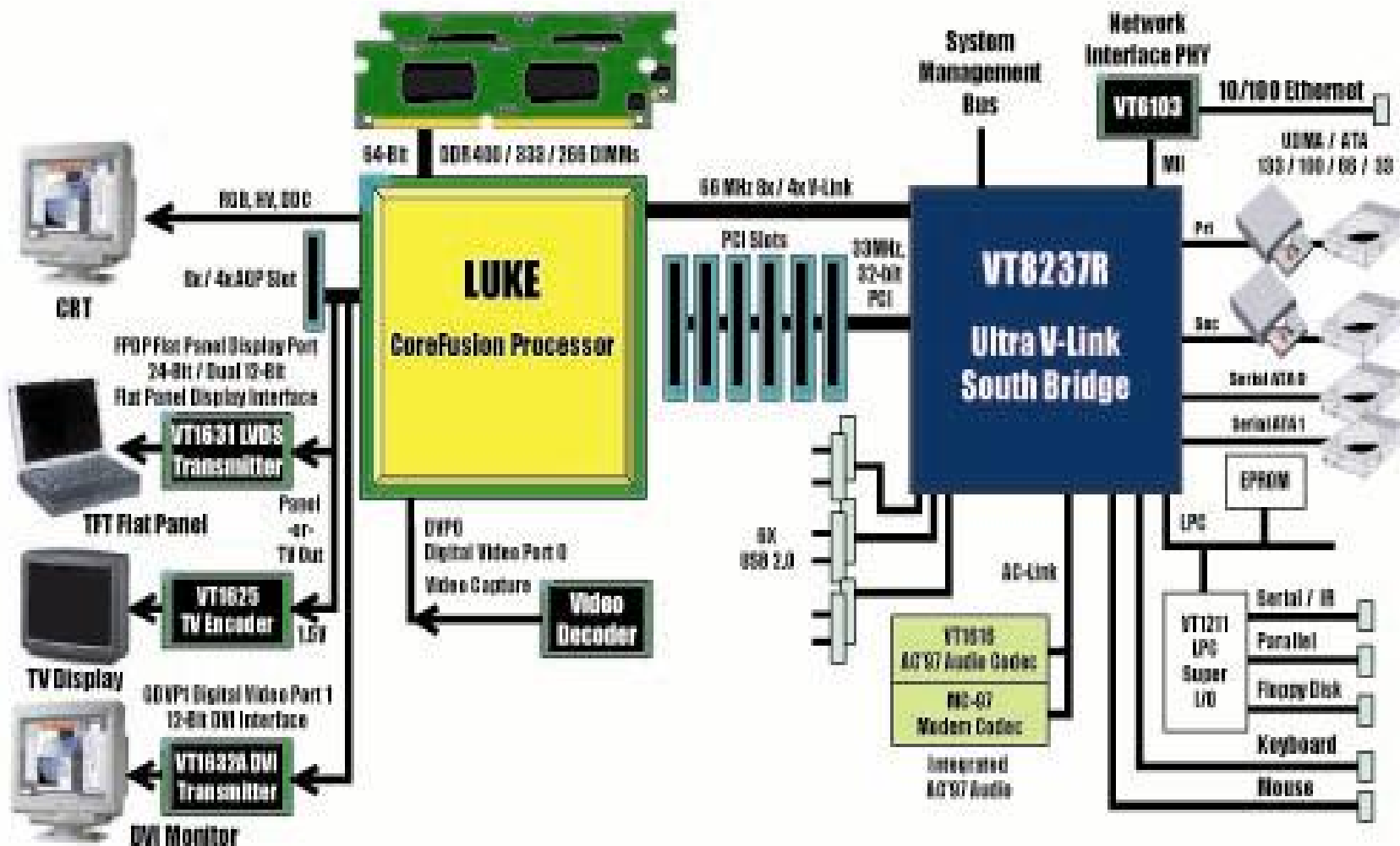


CoreFusion™ Roadmap

The VIA "CoreFusion™" technology provides highest level of integration and miniaturization. Leveraging proven technologies and infrastructure, developers can introduce small form factor designs with the fastest time-to-market



Luke Block Diagram



Highest Integration Level



Integration	VIA Luke	AMD Geode GX	Transmeta Efficeon
Processor Speed	Up to 1.0GHz	Up to 533MHz	Up to 1.0GHz
Integrated 2D graphics	Yes	Yes	No
Integrated 3D graphics	Yes	No	No
External AGP Port	Yes	No	Yes
Memory Interface	DDR 333/400	DDR266	DDR333
Hardware MPEG2 Acceleration	Yes	No	No
Hardware MPEG4 Acceleration	Yes	No	No
LCD Display Interface	Yes *	Yes	Yes
TV Display Interface	Yes	No	No
HDTV Display Interface	Yes	No	No
Concurrent Display	Yes	No	No
Fanless Operation Capable	Yes	Yes	Yes



Maximum Extendibility



Integration	VIA Luke	AMD Geode GX	Transmeta Efficeon
PCI	Yes	Yes	From Other Vendors
IDE	Yes	Yes	From Other Vendors
USB 2.0	Yes (8 ports)	From Other Vendors	From Other Vendors
AC'97 Audio	Yes	From Other Vendors	From Other Vendors
10/100 Ethernet	Yes	From Other Vendors	From Other Vendors
Gigabit Ethernet	Yes (With VIA Networking)	From Other Vendors	From Other Vendors
High Definition Audio	Yes (With VT8251)	No	No
Serial ATA	Yes (With VT8237)	No	No
PCI-Express	Yes (With VT8251)	No	No



Mark Overview

- The **ONLY** ISA Solution in the Market

- Extends ISA support up to 2010

- **Mature Technology**

- Mature silicon process and packaging technologies.

- **Proven Drivers and Software**

- Complete WHQL, WinCE and Linux Drivers.
- Existing BIOS support

- **Built-in LVSD Transmitter**

- Ideal for devices with LCD display
- Full development tools for different display resolutions



Flat Panel Lifestyle Applications

Intelligent Appliances

- Internet Fridges
- Wall-Mounted Home Control Devices
- Intelligent Displays

All-in-One Entertainment Systems

- StarHub TV PC Living Room Entertainment Center



Mini Mobile Systems

- 8" Tablet PCs with DVD Drive
- Intelligent Portable Displays
- Mobile Thin Clients

Mini Systems

- Car Entertainment Centers
- Mini-PCs
- Home Automation & Security Systems
- Point of Sale Displays

